

MICROCARE ENERGY

DC-DC SOLAR EV CHARGER



**Charge anywhere,
straight from the sun.**

Locally designed and manufactured DC-to-DC EV charger. Charge your car straight from the sun, using solar panels or a backup battery system.

95 %
EFFICIENCY

12.5 / 50 kW
MODULES

NO GRID
CONNECTION

KEY FEATURES



Charge Direct from the Sun

Charge directly from solar DC power, without relying on the grid or an inverter.



No Double Conversion

Most DC Fast Chargers convert DC → AC → DC. Our charger skips the AC step, allowing 95% efficiency.



Optional Battery Backup

Add battery storage to charge anytime, when sunlight is limited, or at night.



Local WiFi Monitoring

Monitor charging sessions locally over WiFi, with no cloud account or monthly fees.



Multi-Station Load Sharing

Multiple chargers can share available solar or battery power intelligently.



OCPP 1.6J + CCS2

Connects to any compliant management platform & Uses the standard CCS2 charging plug.

PERFECT FOR

Off-grid homes & rural smallholdings
Day-parked fleets charging from the office roof
Eco-conscious drivers wanting truly green miles

Lodges & guesthouses offering guest charging
Suburban homes with big roofs & high mileage
Load-shedding areas needing grid-independent charging

✓ Built in South Africa since 1990

✓ Works with your solar setup